

WHAT IS CLAIMED IS:

1. A file management system, employed to control a storage capacity of an intelligent network attached storage, said system comprising:

5 a storage unit, storing file data;

a file directory unit, coupled to said storage unit, said file directory unit recording and controlling the status of said storage unit by managing the addresses of said file data;

10 a file detective unit, coupled to said file directory unit, said file detective unit detecting and changing a processing signal of said file data or detecting and adding said processing signal of said file data;

a file filter unit, respectively coupled to said storage unit, said file directory unit, and said file detective unit, said file filter unit receiving said processing signal from said file detective unit, wherein said file filter unit handles
15 said processing signal according to criteria of said file filter so as to control reading and writing status of said storage unit.

2. The file management system of claim 1, wherein said criteria comprise an expiration date to delete said file data after the expiration date.

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3. The file management system of claim 1, wherein said criteria comprise a capacity limit to delete said file data when said storage unit is under the capacity limit.

4. The file management system of claim 1, wherein said criteria comprise file categories so as to decide whether said file data should be written or not according to file name extensions.

5 5. The file management system of claim 4, wherein said file categories are selected from a group consisting of temporary files, trash mails and a combination thereof.

10 6. The file management system of claim 1, wherein said storage unit is selected from a group consisting of floppy disks, hard disk drives, redundant array of independent disks, random access memory, non-volatile memory, rewritable optical discs and combinations thereof.

15 7. The file management system of claim 1, wherein said file detective unit further comprises detecting a processing signal of adding a new file data so as to control the writing status of said file data.

 8. A file management method, employed to control a storage capacity of an intelligent network attached storage, said method comprising the steps of:

20 detecting a processing signal of file data by means of a file detective unit data while said file data is being written in a storage unit;

 sending said processing signal to a file filter so as to control the writing status of said file data;

receiving said processing signal by means of said file filter, handling said processing signal according to the criteria of said file filter so as to decide whether said file data should be written in said storage unit or not; and

continuing to detect said processing signal by means of said file filter and
5 recording writing and reading procedures of said file data so as to manage said file data.

9. The file management method of claim 8, wherein said criteria comprise an expiration date to delete said file data after the expiration date.

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10. The file management method of claim 8, wherein said criteria comprise a capacity limit to delete said file data when said storage unit is under the capacity limit.

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11. The file management method of claim 8, wherein said criteria comprise file categories so as to decide whether said file data should be written or not according to file name extensions.

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12. The file management method of claim 11, wherein said file categories are selected from a group consisting of temporary files, trash mails and a combination thereof.

13. The file management method of claim 8, wherein said storage unit is selected from a group consisting of floppy disks, hard disk drives, redundant

array of independent disks, random access memory, non-volatile memory, rewritable optical discs and combinations thereof.

14. A file management method, comprising:

5 detecting a processing signal of file data by means of a file detective unit data while said file data being amended in a storage unit;

sending said processing signal to a file filter so as to control an amending status of said file data; and

10 receiving said processing signal by means of said file filter, handling said processing signal according to criteria of said file filter so as to decide whether said file data should be written in said storage unit or not.

15 15. The file management method of claim 14, wherein said criteria comprise an expiration date such that said file data will be deleted after the expiration date.

16. The file management method of claim 14, wherein said criteria comprise a capacity limit to delete said file data when said storage unit is under the capacity limit.

20 17. The file management method of claim 14, wherein said criteria comprise file categories so as to decide whether said file data should be written or not according to file name extensions.

18. The file management method of claim 17, wherein said file categories are selected from a group consisting of temporary files, trash mails and a combination thereof.

5 19. The file management method of claim 14, wherein said storage unit is selected from a group consisting of floppy disks, hard disk drives, redundant array of independent disks, random access memory, non-volatile memory, rewritable optical discs and combinations thereof.

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